

Nuclear Div. Re-Organized To Meet Increasing Production Changes

Clyde Hopkins, Planning And Scheduling, Will Head Y-12 Drive For United Fund

Clyde C. Hopkins, superintendent of Y-12's Production Planning and Scheduling, will head the Y-12 employees United Fund Drive this year. Kick-off for the 1967 Fund is set for Monday, October 2.

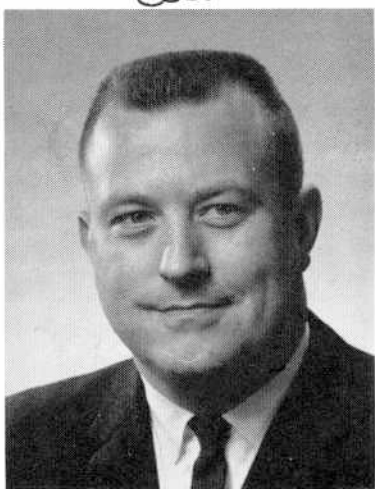
The entire month of October will concentrate on the 'once-a-year' drive. This year Y-12ers may give to four counties through convenient payroll deductions . . . Anderson, Knox, Roane and Loudon. Cash contributions will be acceptable, but residents of the four counties above will find giving a little each month is easier than laying it all down at one time.

Hopkins, who came to Y-12 March 10, 1952 holds a B.S. degree from Bowling Green College of Commerce, Bowling Green, Kentucky. He is a native of Brownsville, Tennessee.

The Hopkins live at 106 Woodridge Lane, Oak Ridge. Mrs. Hopkins is the former Ada Rudolph, and was previously employed in Y-12 also. They have a daughter, Cindy, six.

Hopkins has done graduate work with the University of Tennessee, and attended Union University, Jackson, Tennessee, before enrolling at Bowling Green.

While no goals or quotas will be set for Y-12ers, Hopkins indicated that Y-12ers would be approached as individuals on a personal basis. "Most of the agencies in the United Fund are aimed at the young and old. It leaves us in the middle to help support the



Clyde C. Hopkins

worthwhile agencies. From the young, we get our future leaders . . . and to the older people, we give our thanks for their contributions to our well-being. We would be less of a human if we failed either of these groups," he stated.

"If you have been a regular and faithful giver, you must have a good answer as to why you do it. If you haven't, join the majority of Y-12ers, and experience the satisfaction that comes only from the knowledge that you have helped."

*"If I can ease one life the aching,
Or cool one pain,
Or help one fainting robin
Unto his nest again,
I shall not live in vain."*

Y-12 Credit Union Adds Convenient Credit Reservoir For All Its Members

Something new has been added in service at Y-12's Credit Union. Members can now enjoy a borrowing power, merely on a single application, up to \$750, without fuss, bother, standing in line, or waiting for credit approval. ONE SINGLE APPLICATION approved gives a member this instant borrowing power.

Since its organization 17 years ago, service has been the motto of the group. Now it is making convenient, easy methods for members to have better service through the personal loan service.

Most members are quite busy, and it is sometimes difficult for them to visit the credit union office before or after work. The new loan service enables members to make a series of loans for a variety of purposes with only one application. After the approval of this single application, the member may obtain money repeatedly through the personal service loan, up to the maximum total, WITH NO EXTRA VISITS TO THE CREDIT UNION OFFICE.

This plan brings the convenient service of the credit union to members at their desk, or at home, without additional effort on their part.

Several changes have been wrought throughout the years in loan policies to members, and of-

ficials of the Credit Union believe this is one of the greatest services the organization has been able to offer its members.

All members by now have received the blanket application for the loan service through the mail.

Just fill it out and after its approval, you have instant borrowing power up to \$750. The Personal Service Loan is actually a signature loan and it will not affect security agreement loans. You may have both types of loans at the same time.

The loan service may be used as often and in any amount, as long as the old balance and the current request do not exceed the approved maximum personal loan.

A simple voucher is provided the approved member. The loan check is mailed or picked up the same day the voucher is turned in. A locked mail-box has been placed outside the credit union office. If your voucher is put in that box during the evening, the check is mailed out to you the next day.

The new amount is added to your old account, and the same low interest of one per cent per month on the unpaid balance is applicable.

Credit Union boosters through-

Continued on Page 4

Vanstrum And Cromer Named To New Jobs

Dr. C. E. Larson, president of the Nuclear Division of Union Carbide, has announced changes in the production organization.

"In view of the increased program responsibilities for Oak Ridge," Larson said, "two new positions have been created, with the men in these positions reporting directly to R. F. Hibbs, manager of production."

R. P. Vanstrum becomes technical director, with responsibility for technical and development programs of the three production facilities operated by Union Carbide Corporation for the U. S. Atomic Energy Commission.

S. J. Cromer has been appointed director of engineering, and will be responsible for engineering and process improvement programs at the production complex.

J. M. Googin, who last year received the AEC's E. O. Lawrence Award for outstanding technical contributions to the weapons program, will assist Vanstrum as principal scientist.

Also reporting to Vanstrum are W. K. Whitson, Jr., superintendent of Y-12's Development; G. A. Strasser, superintendent of Y-12's Technical Division; W. J. Wilcox, in charge of Gaseous Diffusion Development; E. C. Evans, directing Centrifuge Development; and J. C. Barton, superintendent of ORGDP laboratories.

Cromer will be assisted in the increased scope of engineering programs by A. P. Huber, who will devote full time to coordination of the gaseous diffusion improvement programs.

Also reporting to Cromer are G. R. Jansy, superintendent of Y-12's Engineering; J. A. Parsons, superintendent of ORGDP Engineering; and D. M. Lang, superintendent of Operations Analysis for the production complex.

Continuing to report to Hibbs are R. G. Jordan, superintendent of ORGDP; R. A. Winkel, superintendent of Paducah Gaseous Diffusion Plant; and J. M. Case, deputy superintendent of Y-12.

Realignment of the Nuclear Division's production organization has been designed to meet increasing changes in production programs and associated engineering and technical responsibilities.

Expansion of the Y-12 Plant

Continued on Page 4



R. F. Hibbs



J. M. Googin

Y-12's Roger Hibbs Is UCC-ND Vice-President

Roger F. Hibbs has been named Vice President — Production of the Nuclear Division of Union Carbide Corporation, according to an announcement by Clarence E. Larson, Division President. In this position, Hibbs will be responsible for all production, development, and engineering activities at the gaseous diffusion plants at Oak Ridge and Paducah and the Y-12 plant, which are operated for the Atomic Energy Commission by Union Carbide.

As a result of significant contributions to the technical and administrative aspects of his assignments in Y-12, Hibbs advanced to positions of increasing responsibility, including Labora-

tory Division Superintendent, Superintendent of the Chemical Process Division and Superintendent of the Technical Division. He was appointed Y-12 Plant Superintendent in 1962 and Manager of Production for the Nuclear Division in June, 1967.

He received his B.S. degree in chemistry from East Illinois State University, and began his career with Tennessee Eastman Corporation at Rochester, New York. He was assigned to the atomic energy activities in June of 1943, and joined the Carbide organization when management of the Y-12 Plant was assumed by UCC in 1947.



S. J. Cromer



P. R. Vanstrum

Regular Quarterly Siren Test Set October 1 At 9

A regularly scheduled quarterly siren test of alarm systems in Y-12 will be made Sunday, October 1, at 9 a.m. This test will be the attack warning (the wail of the siren, up and down for three minutes.)

Sirens on Buildings 9201-3, 9996, 9204-4 and 9213 will be tested. The test will cover "Attack Warning" only.

Employees who are working Sunday need not leave their work stations. Prior to the tests, an announcement will be made to personnel in the plant over the public address system.

Munich's Paul Kienle Is Physics Seminar Guest

Paul Kienle, Technischen Hochschule Munchen, will be a guest at this week's Physics Division seminar. His subject will be "Change of Nuclear Charge Radii Caused by Nuclear Rotation."

The seminar is set for Friday, September 29, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

BIG FAULT

The San Andreas fault, most famous 'earthquake belt' in the United States, is a 100-million-year crack in the earth's crust. It zigzags along a 600-mile path on the West Coast.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
40 Days Or
1,161,000 Man-Hours
(Unofficial Estimate)
Through September 24
Without a Disabling
Injury
Safety At Home
At Work, At Play

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian
Industrial
Editors'
Association

American Association Industrial Editors

OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37830
Bldg. 9704-2 Room C-9
Telephone 3-7100



Mrs. David Leon Christopher

CHRISTOPHER—LUNSFORD

Amid a background of Oregon fern greenery, flanked by baskets of yellow mums, Miss Theresa Joan Lunsford became the bride of Mr. David Leon Christopher. The wedding took place Saturday, September 2, at 7 p.m. at the First Baptist Church, Loudon, with the Reverend O. C. Rainwater officiating.

The bride is the daughter of Mr. and Mrs. Calvin Lunsford, 917 Valley Vista Drive, Loudon; and the groom is the son of Mr. and Mrs. Joseph L. Christopher, Mt. Juliet, Tennessee. (Mr. Lunsford is in Y-12's Research Services.)

Given in marriage by her father, the bride wore a gown of delustered satin with fitted bodice, with long sleeves pointed at the hand, and a bell skirt with a long train belted at the waist. An imported French Alencon lace medallion studded with pearls encircled the neckline, above the hemline on the front skirt and on the lower edge of her train. The veil of shoulder length illusion was attached to a pearl-studded flower arrangement of lilies of the valley. She wore a pearl necklace, a gift of the groom.

Nuptial music by Mozart and Bach was played by Hugh Livingston, organist; and Robert

AAUW Foreign Film Series Set

What happens when a shipload of Scotch washes ashore on a lonely island in the North Sea? This humorous subject is dealt with in the forthcoming "Tight Little Island," delightful comedy from England.

The "Tight Little Island," opens the American Association of University Women's Foreign Film Series Sunday, October 1. Showings will be held at 7 and 9 p.m. of this delightful satire.

Season tickets are now on sale for the entire series. They may be obtained from any AAUW member or by contacting Mrs. Brady Holcomb, 116 Briar Road, Oak Ridge telephone 483-9982. Single performance tickets will be available at the door before each performance for 75 cents.

The showings are held at Jefferson Junior High School auditorium.

Proceeds from the film series will aid the AAUW fellowship program to give financial grants to American women seeking higher academic degrees. In addition, the program helps bring about 50 foreign women to the U.S.A. each year for post-doctoral studies.

The complete schedule of this year's films is as follows:

October 1: "Tight Little Island," Great Britain.

November 5: "Baltic Express," Poland.

December 3: "The Rocket from Calabuch," Italy.

February 4: "Les Liasons Dangereuses," France.

March 3: "A Cat, Two Women, and One Man," Japan.

Yellow Back In Badges Come The Fall Quarter

Bleep! Who says the 'yellow rose of Texas beats the belles of Tennessee?'

Well, the belles of Tennessee (in Y-12, that is) along with their male co-workers will be sporting the yellow on their badges come Thursday.

New badges in the quarterly exchange will go up in the portals Thursday, September 28, and will remain through 11 p.m., October 11.

Remember, the new badges have yellow bottoms on them.

If you fail to pick yours up in the self-service racks in the portals by October 11, you'll have to go to Badge and Pass.

We'll be happy to pursue that roses-belle argument later on!

Shaver sang "The Song of Ruth," "Until," and "The Lord's Prayer."

The made of honor was Janet Mullinex and other attendants included Beth Sanders, Ann Carter, Cindy Goad, Suzanne Matlock, ringbearer.

Male attendants included Joseph L. Christopher, as his son's best man; and ushers Sam Haun, Richard Wallace, David Pitt, and Don Hudlow, and David Matlock, junior groomsman acted as a ringbearer.

The bride is a graduate of Loudon High School and attended the University of Tennessee. The groom is a graduate of Donelson High School and attended Carson-Newman College.

After a Southern wedding trip the couple will reside in Nashville where the groom is employed by the Alladin Corporation. He is also doing extensive work in the field of religious music. Mrs. Christopher will be secretary to music and education directors of the First Baptist Church, Donelson.

Elinor Charpie, H. E. Robinson, And L. L. Spear Retire Friday

The end of September sees two Y-12 men and a very gracious lady retire. Mrs. Elinor Charpie, Product Engineering; Herbert E. Robinson, Process Maintenance; and Leslie L. Spear, General Machine Shop, write 'finis' to their Y-12 careers Friday, September 29.

Elinor Charpie, nee Elinor Burr, came to Y-12 March 12, 1959 . . . nearly six months after the death of her husband Charles F. Charpie. (Mr. Charpie, a former Y-12er, died September 26, 1958.)

Mrs. Charpie makes her home at 392 East Drive, Oak Ridge, with her mother Mrs. Adelia O. Burr. Elinor was born in Hornell, New York.

Three sons and a daughter grace Mrs. Charpie's home . . . Richard B., Islip, New York; Charles F. Jr., Toledo, Ohio; and Kenneth E. Charpie, with the Air Force, soon to be stationed in Thailand are her sons . . . and Mrs. Elois Nehring, Cleveland, Ohio, is the daughter.

There are 14 grandchildren for merriment when the family gets together.

Elinor is an avid bowler, and has several hobbies to keep her occupied. She won a top award at last year's TVA & I Fair for the best-designed clown-dolls. She plans to continue living in Oak Ridge, and maintain her hobbies and friendships.

Herbert E. Robinson, retiring after 16 years service in Y-12, relates that by the time this gets in print he will be a great-grandfather . . . as one of his 26 grandchildren awaits the stork momentarily.

Robinson was born in Sharps Chapel, Tennessee, and now lives at 229 Hillside Road, Oak Ridge. He plans to use his brother's Middlesboro, Kentucky, home as a permanent mail address, however, as he and Mrs. Robinson plan some extensive travel to see their children scattered from one end of the country to the other. (Mrs. Robinson is the former Hazel Vanover.)

There are sons: Howard E., John E., Oak Ridge; J. Will, Atlanta; James H., Albuquerque, New Mexico; and Herbert D., Freemont, California.

Daughters are Mrs. Mary E. Baker, Middlesboro, Kentucky; and Mrs. Juanita Kellerman and Lavelle E. Bodie, Cincinnati.

Before coming to Y-12 September 21, 1951, Robinson did electrical work at Verda, Kentucky; Bonny, Blue, Virginia . . . and Chevrolet and Totz, Kentucky.

Leslie L. Spear, a native of Celina, Tennessee, maintains a home at 205 Noonan Court, Nashville, but lives in the dormitory in Oak Ridge, commuting home only on weekends.

Spear started public work with the Ford Motor Company in 1924, taking training at their Trade School. He worked as a tool and die maker with them until 1939, when he started working with the Vultee Aircraft Company. He went to Sky Harbor, near Murfreesboro, with a company which was tooling carbon for Y-12. He also worked in tool and die shops in Nashville three years before coming to Y-12 November 13, 1951.

Mrs. Spear is the former Elfry Thompson. They have two sons, Dean, an employee with the Post Office in Nashville; and Billy D. Spear, Seattle, Washington, with Boeing. The Spears also have three grandchildren.

He plans to return to his home in Nashville on his retirement.

Y-12 extends its very best wishes to its three September retirees.

It is always time for security.



Elinor B. Charpie
6-13577



Herbert E. Robinson
6-13576



Leslie L. Spear

Technical Societies' News Welcome In Paper

The Bulletin welcomes news of up-coming technical society meetings. Deadline for copy and photographs is noon Thursday, before the desired Wednesday of publication. Submission at an earlier time is recommended, however.

Many Y-12ers are keeping abreast of developments in their respective fields by active participation in societies related to their professions.

Alpha Five's Hansford Grateful To Co-Workers

W. S. Hansford, Alpha Five Machine Shop, wishes to thank fellow employees for their many acts of kindness and concern during his recent hospital stay.

He was hospitalized from August 18, until September 3, and is now recuperating nicely.

K-25 Develops Viscosity Measurer

An instrument capable of measuring the viscosity of fluids has been developed at Oak Ridge Gaseous Diffusion Plant for the National Institutes of Health.

The instrument, called a Multi-bulb Viscometer, is designed to automate certain operations of the research biologist. It is unique in that only a small sample is required, usually about five milliliters or one-sixth fluid ounce.

With the viscometer, fluid viscosity is measured by determining the time it takes for the liquid level to drop through each of three successive sampling regions.

Six specifically developed meniscus (liquid level) detectors are used to initiate and stop the timing operations of the instrument. The liquid-containing portion of the instrument, plus the detectors, are designed to operate while submerged in a temperature-regulated water bath.

The detectors work by light transmission. The light source and light sensitive cells are located outside the water bath. Light is conducted to and away from the detectors, located on the submerged portion, by flexible fiber light pipes.

Whitten Delivers Paper For ASTME

Y-12er Leonard G. Whitten is among those having papers presented at an International Conference on Manufacturing Technology to be held at Ann Arbor, Michigan this week. Whitten's paper is entitled "Laser Metrology Techniques."

Whitten, a graduate of Auburn University, lives at 105 Burgess Lane, Oak Ridge.

Representatives from 14 countries are expected to participate in the International Institution for Production Engineering Research (CIRP) International Conference on Manufacturing Technology. The conference is being co-sponsored by the American Society of Tool and Manufacturing Engineers, Dearborn, Michigan; and the University of Michigan, Ann Arbor.

General theme of the conference is the "Role of Industrial Technology in Meeting the Universal Needs of Mankind."

Day-Light Savings Time Expires Sunday, Oct. 1

Well, that hour's sleep you lost back in the Spring, you can gain back Saturday night. Day-light savings time expires at 2 a.m., Sunday, October 1. (Since nobody will be up at that hour, just set your clock back an hour before retiring, and that extra hour will just be a bonus.)

The pros and cons of Day-light Savings Plan still are tossed about. (One lady we know complains that the Huntley-Brinkley newscast now comes right in the middle of dinner!)

Added Driving Hazards Now That School's Open

Early morning and mid-afternoon drivin' ghas added hazards now that school is open again.

Remember, when going through a school zone, kids are likely to do the unexpected. It's up to you to be alert for them.

Drive as if your own child were playing or walking in the street.

Security is your responsibility.

Sequoyah Landing Rodeo For Bass Set By Shifters, Saturday, At 7 a.m.

Hey, you, the fish are biting at Norris . . . or so it says. So E, F, G, H and J Shifters are planning a big smallmouth tournament Saturday, September 30, at Sequoyah Boat Dock.

All UCC employees in Y-12 are welcome at the big rodeo . . . which starts at 7 a.m. and closes at 6 p.m. sharp. You may come any time during the day to fish, but awards will be given to those present at the close of the competition at 6 p.m.

Bring your own boat if you wish. The dock has a limited number of boats, however, and you may reserve one by calling Norris 494-7300.

Hits & Misses Take Mixed Lead

The Hits & Misses edged into the lead of the Y-12 Mixed Bowling League last week by taking four at the expense of the Goofers. The Alley Cats also won four big points from the Mustangs. Taking three it was the McSprays over the Rollers . . . while the Twisters and Roses 'N Thorns shared two each.

C. C. Roberts, Hits & Misses, hit high singles with a 223 scratch, 267 handicap game. Bob Forseman, Mustangs, mustered a 527 scratch series . . . while Larry McLaughlin, McSprays, zeroed in on a 676 handicap series.

Virginia Newby, Goofers, gained high singles with a 170 scratch, 223 handicap game. Jeri Kobisk, Alley Cats, accounted for a 466 scratch series . . . and Donna Ferguson, Twisters, took a 618 handicap series.

The Rollers rolled high scratch in single count with 629 . . . while the McSprays went the rest of the way . . . singles handicap of 806 and series of 1763 scratch, 2305 handicap.

League standings follow:

Hits & Misses	11	1
Goofers	7	5
Roses 'N Thorns	7	5
McSprays	6	6
Mustangs	5	7
Alley Cats	5	7
Rollers	4	8
Twisters	3	9



Ride wanted or will join car pool from North Fountain City, North Broadway section, Knoxville, to East Portal, straight day. Robert Cuthbert, plant phone 3-5311, home phone Knoxville 689-9871.

Ride wanted from Edgewood Ave. (or Broadway) section, North Knoxville, to West Portal, straight day. Diane Field, plant phone 3-7149, home phone Knoxville 525-4698.

Will join car pool from University of Tennessee area, Knoxville, to North Portal, straight day. Gary Handley, plant phone 3-5315, home phone Knoxville 523-0624.

Ride wanted (two days per week) from Salem Road section, Oak Ridge, to Central Portal, straight day. Phil Maguire, plant phone 3-7565, home phone Oak Ridge 483-3107.

Car pool members wanted, or will join car pool, from West Hills, Kingston Woods sections, to North or Central Portal, straight day. E. J. Tullos, plant phone 3-5972, or L. Ebo, plant phone 3-5881.

Awards include a sleeping bag, polyester filled, a Mitchell 300 reel; an Ambassador Reel; a foot locker; a Zebco spinning reel; a Dacron jacket; a woolen Zip-A-Robe; a tackle box; a coat-style parka and a parka rain suit.

Employees may bring spouse and children along as all are eligible to fish in the rodeo.

To get to the dock take the left fork out of Andersonville and then take the second road to the left which will bring you down to the dock. There is a Sequoyah sign on the road where you turn. You can't miss it.

Weighings of fish will be between 5 and 6 p.m.

So, come on out . . . the water temperature is a little lower this year than it was this time last year . . . that's good news for bass fishermen!

Recreation



Saturday, September 30

SMALLMOUTH RODEO: 7 a.m. Sequoyah Boat Dock, Norris Lake. Sponsored by E, F, G, H and J Shifters. All UCC employees welcome.

Monday, October 2

BOWLING: 5:45 p.m. C League, Ark Lanes.

GOLF: Melton Hill Course, immediately after work, Play-Off.

TENNIS: League play as per schedule, to be arranged by players.

Tuesday, October 3

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

Wednesday, October 4

CARBIDE RIFLE LEAGUE: 7 p.m. Clinton Rifle Range.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, October 5

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

HORSESHOE LEAGUE: 7 p.m. City Courts, Jackson Square.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

Big Five Takes Scant C Lead

The Big Five barged into an early lead in C Bowling ranks last week, after a three-point win over the Royal Flush.

Four-point victories saw the Badgers beyond the HiLifers and the Rodders 'round the Rollmasters.

Other three points went to the King Pins kayoing the Invalids, and the Fireballs felling the Rounders. The Parbusters-Sunflowers duel saw them share two each.

Dick Huber, Badgers, bowled a 221 scratch game. Al Gladson, Fireballs, scored a 248 single handicap. Al's series of 590, 677 were high.

The Fireballs put an 855 scratch single, 1033 handicap single count on the boards. The Sunflowers scored a 2438 scratch series . . . while the Fireballs returned to the boards with a 2924 handicap series.

Team	W	L
Big Five	6	2
Badgers	5	3
Sunflowers	5	3
Parbusters	5	3
Royal Flush	5	3
Rodders	4	4
Rollmasters	4	4
King Pins	4	4
Fireballs	3	5
HiLifers	3	5
Rounders	2	6
Invalids	2	6

Fishing Winners Are Announced

The Spring-Summer Fishing Rodeo has ended, as have those two seasons! . . . Alas. Recreation announces winners in the seven-species category, but does not give sizes or weights, as many of the entries was also entered in the Annual Fishing Rodeo.

Winners are:

LARGEMOUTH BASS

1. Luther L. Bridges, Dispatching.

SMALLMOUTH BASS

1. John S. Orr, Area Five Maintenance.

2. Fred B. Guttery, Chemical Services.

3. Clifford Herrell, Rover Fabrication.

STRIPED BASS

1. E. M. Miller, 9766 Machine Shop.

2. Luther Thurman Jr., Arc Melting.

3. J. C. Bryan, Chemical Services.

CRAPPIE

1. S. R. Anderson, H-1 Foundry.

2. Ernest L. Bentley, Safety.

3. W. H. Rollen Jr., Tool Grinding.

SAUGER PIKE

1. Jack Johnson, Physical Testing.

WALLEYED PIKE

1. B. O. Miller, Arc Melting.

2. J. W. Gossage, General Machine Shop.

TROUT

1. Milton Carlton, Research Services.

2. W. T. Mitchell, Research Services.

3. Zelma T. Laurendine, Medical.

Entries went begging in the bream category. Now kick yourself for the bream you caught all summer long, and failed to enter in the race.

Winners will be notified by phone when their awards are in.

Meanwhile, keep those entries coming into the Annual Race. Let's not let any go by default in that one.

Joel And Roy Lead Melton Tees

With this week's matches winding up action in the Melton Hill Golf League, the Garber-Huddleston pair have a one-point margin in the big race. Five teams are still in the running. The G-H team took six points last week at the expense of Shelton-Gresham. Other big wins went to H. Butler-Wright over Alvey-Gamble; Hamby-Braden over Nelson-Tiller; T. Butler-Perry over Dill-Hopwood; Morehead-Poly over Arnold-Roberts (forfeit); Bryant-Henderson over McGinnis-Burrus and Nobles-Redding over Boyd-Sise (forfeit).

Newt Hamby along with Wright and Huffman carded low scratch scores of 39. B. Grubb and Joel Garber tallied a 40. In handicap scoring it was Garber with 34 . . . Huddleston and Huffman, 35; Hamby, Wright and Herman Butler, 36.

League standings follow:

Team	W	L
Garber-Huddleston	30	12
Batch-Winstead	29	13
B. Grubb-Cofer	28	14
Rogers-Watson	27	15
H. Butler-Wright	27	15
Shelton-Gresham	25	17
Nelson-Tiller	25	17
Huffman-Hogg	24	18
Hamby-Braden	23	19
T. Butler-Perry	22	20
Morehead-Poly	19	23
Bryant-Henderson	17	25
McGinnis-Burrus	16	26
Boyd-Sise	16	26
Nobles-Redding	16	26
Arnold-Roberts	15	27
Alvey-Gamble	13	29
Dill-Hopwood	6	36

Report security discrepancies promptly.



THE ALLSTARS FACE OPPOSITION without fear in the Classic League's big 16-team race. In the front row, from left, are H. D. Whitehead and Dick Huber. In the back row are Tom Pappas, captain; Otto Briscoe and Al Townsend.

Melton Golfers Plan Dinner Meet

Regular golf play in the Y-12 Melton Hill Golf League ended Monday, September 25.

A play-off is set for next Monday, October 2, to be followed by an awards dinner. All members are urged to attend the play-off match and the presentation of awards that will follow.

The 19th Hole will be open from 5 p.m. to 9:30 p.m. At 8 p.m. a dinner, including fried breast of chicken, tossed salad, baked beans, potato salad, hot rolls, tea or coffee and apple pie, will follow. Total cost is only \$2 per league players only.

Reservations may be made through Joel Garber, league secretary, by 12 p.m. Friday, September 29.

See you there.

Coley-Raper Cling To HossShoe Lead

Coley-Raper still dominate the Horseshoe League, after a forfeit win over Kendig-Zupan.

Durham-Harness took seven from Gray-Leonard . . . and Matheny-Miller seized five from Helms-Lucke.

The Luckett-Barger . . . Rein-Case match was postponed.

League standings follow:

Team	W	L
Coley-Raper, Y-12	43	11
Durham-Harness, ORNL	37	8
Luckett-Barger, ORNL	28	8
Matheny-Miller, ORNL	25	20
Gray-Leonard, ORNL	24	30
Helms-Lucke, Y-12	21	24
Rein-Case, ORNL	18	18
Hutto-Tillery, ORNL	11	34
Kendig-Y-12, Zupan-ORNL	0	54

SANS EVERYTHING

Where do they get the name social security . . . there isn't anything social about it, quips our favorite oldster . . . and there's damn little security either!

Has Beens Take Classic Topspot

The Has Beens have a one point lead in the Classic Bowling race, after a three-point win over the Screwballs. The only sweeps of last week went to the Tigers as they tore over the Rippers and the All Stars around the Smelters.

Other three-point wins went to the Rebels 'round the Eagles, the Markers marking over the Eightballs, the Swingsters past the Cubs and the Splinters past the Playboys.

Bill Geldmeier, Smelters, hit a 221 scratch game. Al Townsend, All Stars, aced a 262 handicap single. Allen True posted a 571 scratch series for the Markers . . . and Townsend returned to the boards with a 665 handicap series.

The Markers marked 891 in single scratch . . . and the Bumpers put a 2550 scratch series on the books. The All Stars captured handicap scoring . . . singles of 1064, series of 3001.

League standings follow:

Team	W	L
Has Beens	10	2
Rebels	9	3
Bumpers	8½	3½
Pinbusters	8	4
Tigers	8	4
Rippers	7	5
Markers	7	5
Swingsters	7	5
Eightballs	6	6
All Stars	6	6
Smelters	5	7
Playboys	5	7
Splinters	4	8
Cubs	3½	8½
Screwballs	1	11
Eagles	1	1

Girl Bowler Needed

Donna and Spence Ferguson and Jim Thompson would like a female bowler who wishes to roll regularly on the Twisters team in the Mixed League.

The League rolls at 8 p.m. Wednesday night at Ark Lanes, Oak Ridge.

If you want in as a regular, give Donna a call at extension 3-5311.



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

BULK RATE
U.S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71



KAREN RENE TURNER boasts a proud great-uncle in Y-12 . . . C. W. (Red) Taylor, in Shipping and Receiving. Little Karen was born February 7, the daughter of Mr. and Mrs. Kirby Ray and Alene Turner, Greenville, South Carolina.

Credit Union

Continued from Page 1

out the plant will be able to supply members with additional information on the new loan services. These boosters are Morris Fortenberry, Bill Grizzell, Tom Pappas, Fred Henry, Daisy Ward, A. T. Van Dyke, Elbert "Scotty" Scott and Dick Loveless.

Incidentally, October 19 is International Credit Union Day and the entire week of October 16 will be observed at your credit union. Free coffee will be available to all members visiting the office. Presidential salutations and a message from Governor Buford Ellington have been received.

The new loan service is another example of the service to members that the credit union strives continuously to keep and upgrade.

Remember, the Credit Union is yours . . . Use It!

'Inside Yankee Core' New AEC Film Available

A new film, reporting the detailed study of the heart of an atomic power plant, is now available for loan through the Atomic Energy Commission here.

The 32-minute color film, entitled "Inside the Yankee Core," describes in detail the most extensive post-irradiation program ever performed on a spent commercial power reactor core. The film follows the first core of the Yankee Atomic reactor, Rowe, Massachusetts, to the Westinghouse Company post-irradiation facility at Waltz Mill, Pennsylvania, where it was analyzed under the Yankee Core Evaluation Program sponsored by Westinghouse and the AEC.

This film, geared for a technical audience, may be borrowed without cost from the local Commission Film Library.

Guard your conversation.

Cromer And Vanstrum

Continued from Page 1

program, the inception of toll enrichment of uranium for private firms, and the enlarging demand for uranium-235 present a broader scope of technical, engineering and administrative problems. The realigned organization structure provides an arrangement for taking advantage of the wealth of diverse technical capabilities and for focusing the most applicable scientific, engineering and administrative talents on each of the major problems in the growing array of new challenges.

Vanstrum joined ORGDP in 1944, and has held positions of increasing responsibility during the past 23 years. For the past several years, he has been superintendent of Process Development at ORGDP. It was during this period that he was honored with the Lawrence Award for his contributions in gaseous diffusion technology.

Cromer joined the Carbide organization in 1943 and served as superintendent of Engineering and Development at ORGDP until 1957, when he transferred to UCC's home office in New York.

He recently returned from his position as director of engineering for UCC's Mining and Metals Division to the Nuclear Division to assist with the broadening scope of engineering programs.



The days gain momentum as the year plunges headlong into history. Daylight Savings Time goes off with the emergence of October. Along with the beautiful Autumn month come more Y-12ers to the center of the stage. Congratulations.

20 YEARS

Daniel J. Cooley, Arc Melting, September 28.

Jasper S. Prossie, Buildings, Grounds and Maintenance Shops, October 3.

15 YEARS

James T. Swaggerty, Quality Assurance, September 28.

George R. Cox, Buildings, Grounds and Maintenance Shops, September 29.

James R. Pelfrey, Stores Department, September 30.

Elsie D. Davis, Buildings, Grounds and Maintenance Shops, October 1.

Glenmore G. Wilson, Buildings, Grounds and Maintenance Shops, October 1.

Tom R. Clotfelter, Area Five Maintenance, October 2.

10 YEARS

Robert K. Gibbs, Machine Maintenance, September 30.

James E. Somers, General Shop Job Liaison, September 30.

John O. Evans, Civil and Architectural Engineering, October 1.



Y-12ERS WERE SURPRISED TO SEE the desk-type computer terminal demonstrated by Walter Cronkite on "The 21st Century" Sunday. In describing "The Computer Revolution" he used the same type terminal used in the Plant. There are three terminuses here in Y-12 . . . in Building 9704-2, Development and in the Plant Laboratory. Ann Owen is seen transmitting data collected from the Analytical Laboratory to the time-sharing computer center in Washington, known as CEIR. The Development Division also makes extensive use of the system, as do engineers in Process Analysis and other sections of the plant.

Computer Age 21st Century Forthcoming

Will the coming age of the computer be an intellectual and creative renaissance, or a technological dark age? "The 21st Century" television series examines this haunting question in a study of the social and economic meaning of "The Computer Revolution — Part II," Sunday, October 1, 6 p.m., EDT, in color over WBIR-TV. CBS News Correspondent Walter Cronkite is principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation.

(Many Y-12ers were surprised to see Cronkite demonstrate a table-model computer terminal in his office in last Sunday's Part I of the series. Actually, there are three such computer terminals located in Y-12, utilized by scientists and engineers for calculations that would take many hours, for the desired problem solution, either by desk calculator or computers here. There is a computer terminal here in the Administration Building, one in Development, and one in the Plant Laboratory. They are all on a trunk-line connected with CEIR, in Washington. The time-saving device is connected to its computer source via telephone lines.)

CEIR has provided quick calculations on data from many sources in Y-12. Scientific calculations, laboratory analyses, and other data are quickly transmitted over the system.

A. M. Christman, superintendent of Process Analysis, was quick to praise the speed of the system, and the results gained by its use. "It would be impossible to estimate the time it has saved us already," Christman said.)

"Without computers there won't be a 21st century," says Fred Warshofsky, science editor



50,000 TRANSISTORS . . . Spilling out of this thimble are some 50,000 micro-miniature transistors that won't end up in portable radios. They are produced by IBM for use in construction of the fast, compact, economical computers essential to man's survival as he prepares for the twenty-first century. The social and economic meaning of the computer in the days ahead—renaissance or dark age—is reported in "The 21st Century" telecast, "The Computer Revolution—Part II," Sunday, October 1, at 6 p.m. EDT, in color over WBIR-TV, Channel 10.

for "The 21st Century" and writer for both parts of "The Computer Revolution." The complexity of problems computers can solve exceeds the capabilities of the most skilled mathematicians and engineers, Warshofsky adds.

"Even the most simple space problems," Warshofsky points out, "are inordinately difficult for the unaided human mind."

Computers are seen on the telecast in use in such areas as law enforcement, choreography, music composition, space exploration, automobile and building design, and an electronic library.

Futurists claim that the substantial intellectual output of the last century, compounded by the computerized flow of information of today, has become an unmanageable flood.

A solution to this increasingly

difficult problem of information classification, storage and retrieval is seen in the operation of The National Medical Library at Bethesda, Maryland. It provides doctors with immediate reference to a quarter of a million papers published in medical journals throughout the world.

Despite the promise of extending man's brain power, experts fear that huge computerized central files of credit, tax, security, education, medical, and employment information on every citizen may provide opportunities for abuses.

A means of protecting individual rights and privacy, a "computer bill of rights," is discussed by Cronkite and leading computer technologists, including Professor John McCarthy, Stanford University.